# Stopper cylinder
# DFSP-20-20-PF-PA

Part number: 576089





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 20 mm |
| Piston diameter | 20 mm |
| Piston rod thread | M3 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Single-acting<br>Pulling |
| Structural design | Piston<br>Piston rod<br>Profile barrel |
| Position sensing | Via proximity switch |
| Piston rod end | Internal thread |
| Variants | Internal thread on piston rod |
| Protection against torsion/guide | Round piston rod |
| Operating pressure | 0.16 MPa...1 MPa<br>1.6 bar...10 bar |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| Ambient temperature | -10 °C...80 °C |
| Permissible impact force on the advanced piston rod | 1370 N |
| Permissible lateral force during switching operation | 228 N |
| Max. cycle rate | 5 Hz |
| Type of mounting | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Flange screws material | Steel, galvanized |
| Cover material | Wrought aluminum alloy<br>Anodized |

| Feature | Value |
|---|---|
| Seals material | TPE-U(PU) |
| Piston rod material | high-alloy stainless steel |
| Roller material | Steel, galvanized |
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth-anodized |